
Design of a Wordpress-Based News Portal Management Information System at the Audit Board of the Republic of Indonesia (BPK) Representative Office of the Riau Islands

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Abstract

The design of a WordPress-based news portal management information system at the Indonesian Financial Audit Agency (BPK) Representative of the Riau Islands aims to increase efficiency and effectiveness in conveying information to the public. This news portal is designed to provide the latest information regarding the activities, reports and official announcements of the Riau Islands BPK quickly and accurately. The methodology used in designing this system includes requirements analysis, system planning, user interface design, implementation using the WordPress platform, and system testing. WordPress was chosen because it is flexible, easy to use, and supports various additional features through plugins. This system is designed with main features such as dynamic content management, integration with social media, and structured user management. The result of this research is a news portal that is responsive, user friendly, and can be accessed via various devices. It is hoped that this portal will be able to become an effective communication medium that supports the transparency and accountability of the Riau Islands BPK in providing information to the public.

Keywords— Management Information Systems, News Portals, WordPress, BPK RI, System Design.

INTRODUCTION

The Audit Board of the Republic of Indonesia (BPK) of the Riau Islands Representative Office is a state institution that has an important role in maintaining transparency and accountability in the management of state finances. In today's digital era, advances in information technology support the delivery of information quickly, precisely, and accurately through a system specifically designed to meet user needs. According to Martin, information technology includes not only hardware and software used to process and store information, but also communication technology that allows for the delivery and distribution of information more widely[1].

Fast and efficient information dissemination is very important for government agencies, including the BPK RI, to ensure openness and provide optimal information services to the public. With the presence of online media, information dissemination is no longer limited to print or offline media. Online news portals, for example, allow the public to easily access the latest information and can be an effective means for agencies to publish various activities, announcements, and official reports.[2].

Currently, the BPK RI Representative Office of the Riau Islands faces challenges in effectively disseminating information due to the limitations of the platforms used. This results in the information distribution process being less than optimal, both in terms of speed and reach. Therefore, a news portal management information system is needed that is specifically designed to support the delivery of information in a structured and professional manner.

By using a Content Management System (CMS) such as WordPress, creating a news portal becomes easier and more efficient. WordPress offers ease in managing content without requiring advanced programming skills. In addition, WordPress supports various additional features that can improve the function and appearance of the news portal, so that it can reach a wider audience and increase the credibility of the institution.[3]

This study aims to design and develop a WordPress-based news portal management information system for the BPK RI Representative Office of the Riau Islands. This system is expected to facilitate the dissemination of information that is faster, more accurate, and easier to access, as well as support transparency and accountability efforts in information management by the BPK RI.[4].

RESEARCH METHODS

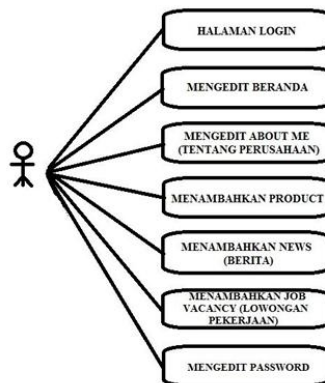
The research on this final project site uses a practical approach by applying experimental and qualitative methods. Experimental methods are used to test and develop the designed system, while qualitative methods are carried out through interviews with users and data collection from available information sources.[5]. This approach aims to gain a deeper understanding of user needs and ensure that the system developed is in accordance with the expected goals.

1. Use Case Diagram

Use Case Diagram is a visual representation that describes the interaction between actors and the system, with a focus on the available functionality. This diagram shows how users interact with the system in various usage scenarios, thus helping to understand the roles and processes that occur in it.

a. Admin Use Case Image

The following is a display of the Admin Use Case image, which can be seen in image 1.



Picture1.Use Case Admin

1) Admin Login Page

Admin must log in first by entering the username and password of the account created on the website <https://kepri.bpk.go.id/>

2) Edit Home

The BPK Kepri website also provides a feature to add the latest posts, including the latest news and information from the Riau Islands Audit Board (BPK). With this feature, users can obtain relevant and up-to-date information regarding policy developments and regulations related to the company.

3) Editing Product Pages

The BPK Kepri website is also equipped with features to add and provide information about various products available at BPK Kepulauan Riau (Kepri). With this feature, users can easily access information related to products, services, and applicable regulations, thus helping in making more appropriate decisions.

4) Adding News

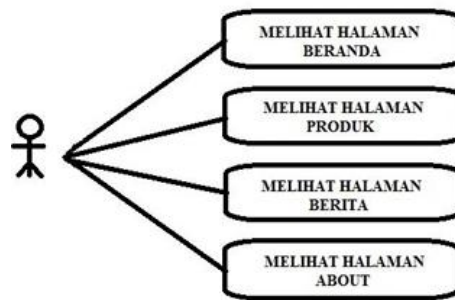
The BPK Kepri website has a feature that allows the addition of news posts related to the BPK Riau Islands (Kepri). This feature aims to provide users with the latest information on developments, policies, and the latest news from BPK Kepri, so that users always get relevant and useful updates.

5) Edit Password

The BPK Kepri website provides a feature to change or replace passwords to improve the security of user accounts. With this feature, users can update their passwords periodically to maintain privacy and protect accounts from unauthorized access.

b. User Use Case Image

The display of the Use Case User image can be seen in the caption of image 2.



Picture2.Use Case User

- 1) View Home
The main page of the BPK Kepri website displays various news posts and the latest information related to company activities. In addition, this page is also equipped with a photo gallery that documents various activities and achievements of BPK Kepri.
- 2) View Product Page
Users or customers of the BPK Kepri website can easily find out about various products and services offered by BPK Kepri through the information available on the site. This allows customers to understand the details of each product and choose the service that suits their needs.
- 3) View News
This page contains various news and the latest information related to BPK Kepri, including company developments, activities, and achievements that have been achieved.

2. Devices used

This research was conducted using a Lenovo ThinkPad T480s laptop, which has an Intel® Pentium® CPU B960 processor specification with a speed of up to 2.5 GHz, and is supported by AMD Radeon™ R5 Graphics 2.20 GHz. This laptop is also equipped with 4GB DDR3 RAM to support system performance. In addition, various software was used in this study, including the Microsoft Windows 7 operating system, the WordPress CMS platform, and several web browsers such as Mozilla Firefox, Google Chrome, and Internet Explorer to support system testing and operation.

RESULTS AND DISCUSSION

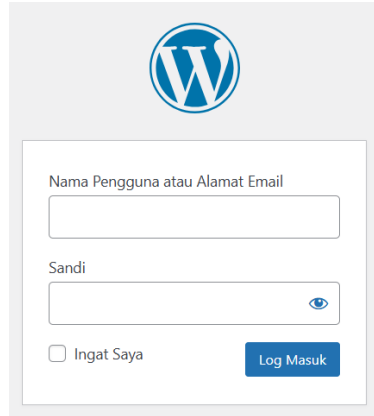
The results of this site creation can be accessed via the page <https://kepri.bpk.go.id/>. This site consists of two main pages, namely the admin page for system management and the user page for users.

1. Admin Page

This page is an admin page used to manage all data on the BPK Kepri site. On this page, the admin can perform various data management such as updating product information, news, activity photos, and other settings related to the content and system of the site.

a. Admin Login Page

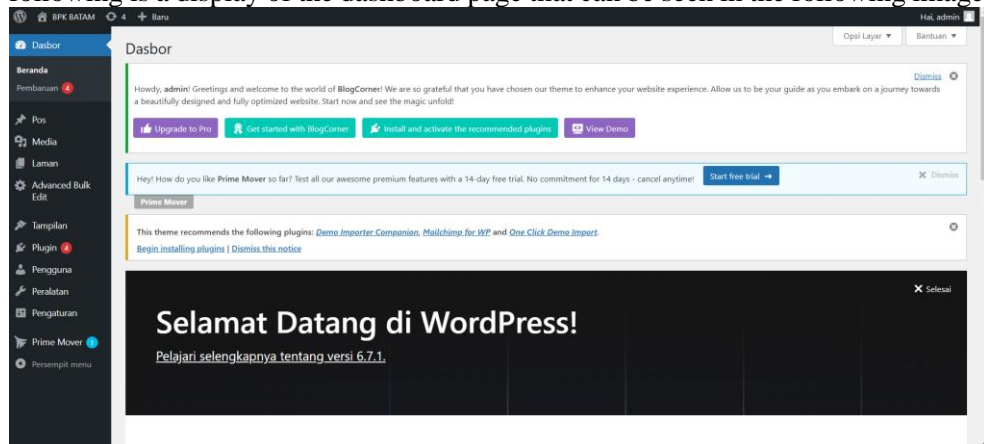
The login page is a page to access the backend, which is equipped with a form to enter a username and password. The login page display can be seen in the following image.



Picture3.Admin Login Page

b. Dashboard Page

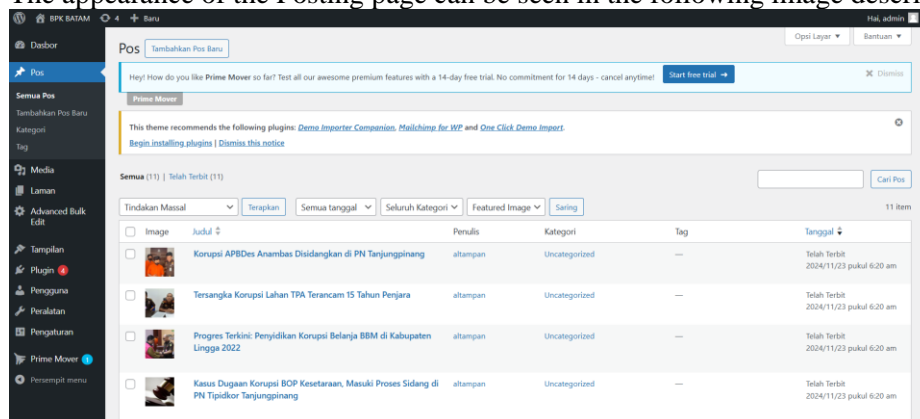
The dashboard page, also known as the backend page, serves to manage all content of the RI Audit Board (BPK) Representative Office of the Riau Islands. The following is a display of the dashboard page that can be seen in the following image.



Picture4.Dashboard Page

c. Post Page

The posting page is a page that displays all submenus on the website of the Audit Board of the Republic of Indonesia (BPK) Representative Office of the Riau Islands. The appearance of the Posting page can be seen in the following image description.



Picture5.Post Page

2. User Page

The user page is a page that can be accessed by visitors to the website of the Audit Board of the Republic of Indonesia (BPK) Representative of the Riau Islands. On this page, visitors can view and search for various information available at the Audit Board of the Republic of Indonesia (BPK) Representative of the Riau Islands.

a. Home page

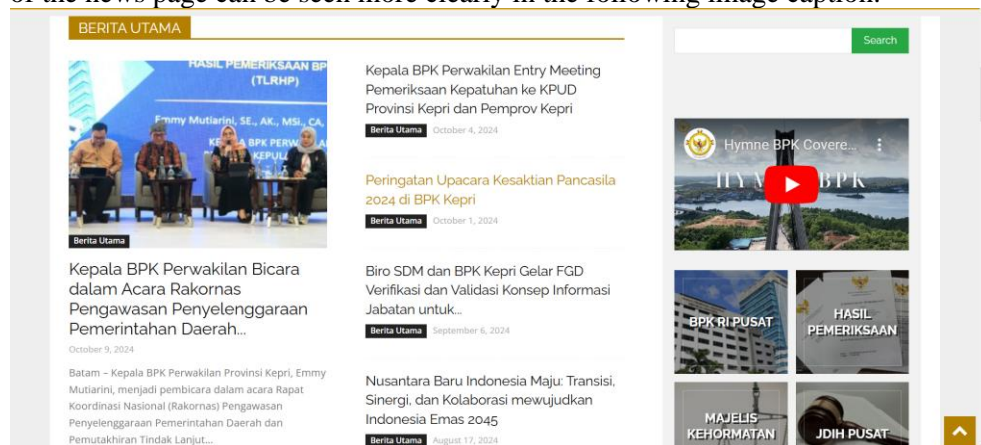
The homepage is the main page of the website of the Audit Board of the Republic of Indonesia (BPK) Representative of the Riau Islands, which functions as the main entrance for visitors. On this page, visitors can easily find information related to the company, services, and various features offered. The appearance of the homepage is designed with an attractive appearance and intuitive navigation, so that visitors can explore the site easily and quickly. This homepage also contains various important elements such as a brief description of the Audit Board of the Republic of Indonesia (BPK) Representative of the Riau Islands, main services, and links to other pages on the site.



Picture6.Home page

b. News Page

The news page is a page that presents the latest information related to the Republic of Indonesia Audit Board (BPK) Representative Office of the Riau Islands. On this page, visitors can find various updates, announcements, and other important information related to the company's activities and developments. The appearance of the news page can be seen more clearly in the following image caption.



Picture7.News Page

CONCLUSION

The design of a WordPress-based news portal management information system at the Indonesian Audit Board (BPK) of the Riau Islands Representative Office has succeeded in increasing efficiency and effectiveness in delivering information to the public. With dynamic content management features, social media integration, and structured user management, this system allows for the dissemination of information quickly, accurately, and easily accessed through various devices. The use of WordPress as a development platform provides flexibility and ease in content management. This news portal is expected to be a communication medium that supports the transparency and accountability of the Riau Islands BPK in delivering official information to the public.

THANK-YOU NOTE

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